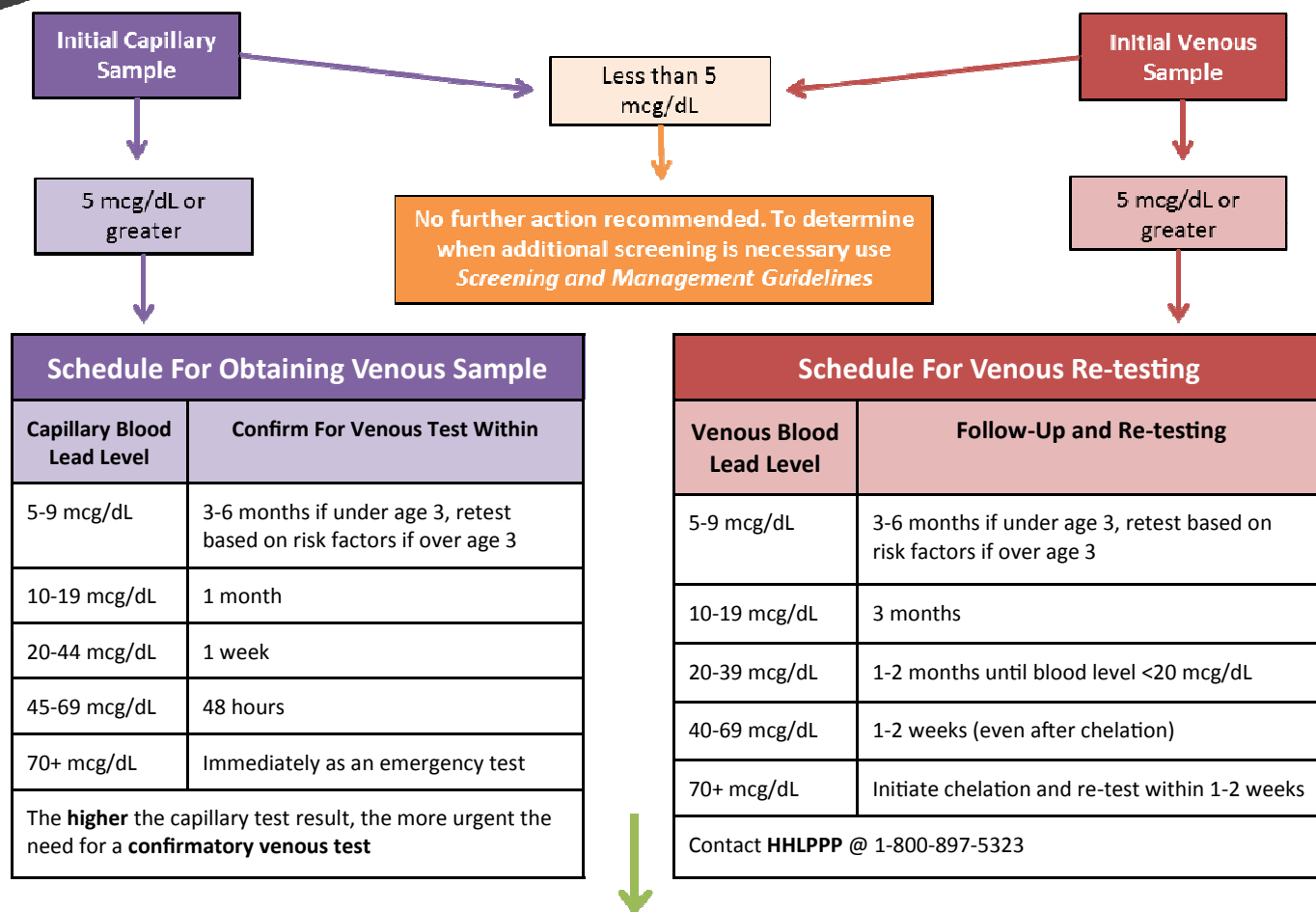


LEAD POISONING

New Hampshire
HEALTHY HOMES
& Lead Poisoning Prevention Program

MEDICAL MANAGEMENT

Provider Quick Guide for Lead Testing and Treatment



Clinical Treatment Guidelines for Venous Confirmed Blood Lead Levels			
5-9 mcg/dL	10-44 mcg/dL	45-69 mcg/dL	70+ mcg/dL
<ul style="list-style-type: none"> Provide factsheets to parents (<i>Lead and Children, Lead and Nutrition</i>) Follow-up BLL monitoring Test siblings for EBLL 	Continue management, AND: <ul style="list-style-type: none"> Rule out iron deficiency & prescribe iron if needed Neurodevelopmental monitoring & consider referral for evaluation HHLPPP provides nurse case management & environmental lead investigation patients with BLL of 25-44 need aggressive environmental intervention Succimer is NOT recommended to treat BLL 25-44 as there is no cognitive benefit 	<ul style="list-style-type: none"> Confirm BLL within 2 days Stop iron therapy prior to chelation Begin chelation in consultation with clinician experienced in lead toxicity therapy Consider directly observed therapy with succimer For chelation guidance contact PEHSU at Children's Hospital @ 1-888-214-5314 and/ or follow AAP Treatment Guidelines Ensure child is discharged to a lead free environment 	EMERGENCY! <ul style="list-style-type: none"> Confirm BLL immediately Hospitalize even if asymptomatic Begin medical treatment immediately in consultation with clinicians experienced in lead toxicity therapy Continue management as noted for 45-69 mcg/dL BLLs

Adapted From Vermont Department of Health

NH Department of Health & Human Services, Division of Public Health Services

1-800-897-LEAD

MEDICAL MANAGEMENT

Provider Quick Guide for Clinical Evaluation and Management

Screening Criteria for Children*

*Does not apply to children currently or previously lead poisoned

- Test all children at 12 and 24 months
- Test all children 3 to 6 years old who haven't been tested
- For refugee children:
 - * Test all children between 6 months and 16 years old upon entry into the US
 - * Regardless of initial screening result, conduct a follow up on all children 6 months to 6 years old

Lead Exposure Risk Questionnaire			
Questions to Ask Parents	Yes	No	Don't Know
Is your child enrolled in Medicaid?			
Does your child receive WIC or Head Start benefits?			
Does your child live in or regularly visit a house (or child care facility) that was built before 1978?			
Does your child live in or regularly visit a house (or child care facility) built before 1978 with recent or ongoing renovations or remodeling (within the last six months)?			
Does your child have a sibling or playmate that has or did have lead poisoning?			

Indications to Test for Lead

Test any child who demonstrates the following risk factors:

- Developmental delays or learning disabilities
- Behavioral problems such as aggression & attention issues
- Excessive mouthing, pica, or hand to mouth behavior
- Ingestion of any object that may contain lead
- Symptoms or signs of lead poisoning including:
 - * Irritability, headaches, vomiting, or loss of appetite
 - * Seizures or other neurological symptoms
 - * Anemia, abdominal pain, or constipation
- Member of at-risk population:
 - * Living in pre-1978 housing
 - * Medicaid, WIC, Headstart enrollment
 - * Refugee children
 - * Recent immigrant
 - * International adoptees

Temporary Interventions to Limit Exposure

Provide "Lead and Nutrition", "Lead and Children" & "Lead Hazards" factsheets to educate parents and caregivers

- Hand washing
- Clean child's toys, bottles & pacifiers often
- Feed child Calcium, Iron & Vitamin C foods daily
- Have barriers blocking access to lead hazards
- Wet wipe window sills
- Wet mop floors once a week or more
- Use HEPA filter vacuum to clean up dust, paint chips etc.

Developmental Assessment & Intervention for Children with Elevated Blood Lead Levels (EBLL)

For any child with an EBLL, especially if > 20 mcg/dL, or if > 15 mcg/dL with other significant developmental risk factors

- Long term developmental surveillance should be a component of the child's management plan
- Developmental surveillance should continue through the child's early and middle school years even if blood lead level is reduced
- A history of EBLL should be included in the problem list maintained in the child's medical record
- Consider early intervention and stimulation programs. Call New Hampshire Division of Developmental Services for a list of local Family-Centered Early Supports & Services at (603)-271-5143

Developmental Surveillance should include:

- Vigilance for emerging difficulties at critical transition points in childhood (i.e. physical, social, emotional, academic challenges in preschool, 1st, 4th, 6th & 7th grades)
- Vigilance for behaviors such as inattention, distractibility, aggression, irritability & hyperactivity
- Referral of the child experiencing neurodevelopmental problems for a thorough diagnostic evaluation

LEAD POISONING

New Hampshire
HEALTHY HOMES
& Lead Poisoning Prevention Program

MEDICAL MANAGEMENT

Lead Screening Designations for NH Areas

Recommendations for Lead Screening focus on populations most at risk in order to have an efficient policy that is responsive to local needs and conditions.

U=Universal: Test all children at ages one and two and three- to five- year-olds not tested at age two.

T=Targeted: Test all children at ages one and two who have Medicaid insurance or are receiving WIC benefits. Assess all other children with a risk questionnaire at ages one and two. Also administer questionnaire for three to five year olds not assessed or tested at age two.

Acworth	U	Columbia	T	Gilman Ironworks	T	Littleton	U	Northfield	U	Stoddard	T
Albany	T	Concord	U	Gilsum	U	Lochmere	U	Northumberland	U	Strafford	T
Alexandria	T	Contoocook	U	Glen	T	Londonderry	T	Northwood	U	Stratford	U
Allenstown	T	Conway	T	Glenciff	U	Loudon	T	Nottingham	T	Stratham	T
Alstead	U	Cornish	U	Goffstown	T	Lyman	T	Odell	T	Success	U
Alton	T	Cornish Flat	U	Gonic	U	Lyme	U	Orange	U	Sugar Hill	U
Alton Bay	T	Croydon	U	Gorham	U	Lyndeborough	U	Orford	U	Sullivan	U
Amherst	T	Dalton	T	Goshen	U	Madbury	T	Ossipee	T	Sunapee	T
Andover	U	Danbury	T	Grafton	T	Madison	T	Pelham	T	Suncook	T
Antrim	U	Danville	T	Grantham	T	Manchester	U	Pembroke	U	Surry	T
Ashland	U	Davisville	U	Greenfield	U	Marlborough	U	Penacook	U	Sutton	U
Ashuelot	U	Deerfield	U	Greenland	T	Marlow	U	Peterborough	U	Swansey	U
Atkinson	T	Deering	T	Greenville	U	Mason	U	Piermont	U	Swiftwater	U
Auburn	T	Derry	T	Groton	T	Melvin Village	U	Pike	U	Tamworth	U
Barnstead	T	Dixville	T	Groveton	U	Meredith	T	Pinnardville	T	Temple	U
Barrington	T	Dorchester	U	Guild	U	Meredith Center	T	Pittsburg	T	Thornton	T
Bartlett	T	Dover	U	Hampstead	T	Meriden	U	Pittsfield	U	Tilton	U
Bath	U	Drewsville	U	Hampton	T	Merrimack	T	Plainfield	U	Troy	U
Bedford	T	Dublin	U	Hampton Beach	T	Middleton	T	Plaistow	T	Tuftonboro	U
Belmont	T	Dummer	U	Hampton Falls	T	Milan	T	Plymouth	U	Twin Mountain	T
Bennington	U	Dunbarton	T	Hancock	U	Millford	T	Portsmouth	U	Union	T
Benton	T	Durham	T	Hanover	U	Millsfield	T	Potter Place	U	Unity	T
Berlin	U	East Alstead	U	Hanover Center	U	Milton	U	Randolph	U	Wakefield	T
Bethlehem	U	East Alton	T	Harrisville	U	Milton Mills	U	Raymond	T	Walpole	U
Boscawen	U	East Andover	U	Hart's Location	T	Mirror Lake	T	Richmond	U	Warner	U
Bow	T	East Candia	U	Haverhill	U	Monroe	U	Rindge	T	Warren	U
Bowkerville	U	East Derry	T	Hebron	U	Mont Vernon	U	Rochester	U	Washington	T
Bradford	U	East Hampstead	T	Henniker	U	Moultonborough	T	Rollinsford	U	Waterville Valley	T
Brentwood	T	East Kingston	T	Hill	U	Mt Sunapee	U	Roxbury	U	Weare	T
Bretton Woods	T	East Lebanon	U	Hillsboro	U	Munsonville	U	Rumney	U	Webster	T
Bridgewater	U	East Lempster	T	Hillsborough	U	Nashua 03060	U	Rye	U	Weirs Beach	U
Bristol	U	East Rochester	U	Hinsdale	U	Nashua 03064	U	Rye Beach	U	Wentworth	U
Brookfield	U	East Sullivan	U	Holderness	U	Nashua 03062-3 zips	T	Salem	T	West Canaan	U
Brookline	T	East Swanzey	U	Hollis	T	Nelson	U	Salisbury	U	West Chesterfield	U
Cambridge	T	East Wakefield	T	Hooksett	T	New Boston	T	Sanbornton	U	West Franklin	U
Campton	T	Easton	T	Hopkinton	U	New Castle	U	Sanbornville	T	West Hampstead	T
Canaan	U	Eaton	U	Hudson	T	New Durham	T	Sandown	T	West Lebanon	U
Candia	U	Effingham	T	Intervale	T	New Hampton	U	Southwich	U	West Nottingham	T
Canterbury	T	Elkins	T	Jackson	U	New Ipswich	T	Seabrook	T	West Ossipee	T
Carroll	T	Ellsworth	T	Jaffrey	U	New London	T	Sharon	T	West Peterborough	U
Center Barnstead	T	Enfield	U	Jefferson	U	Newbury	U	Shelburne	U	West Springfield	T
Center Conway	T	Enfield Center	U	Kearsarge	T	Newfields	U	Silver Lake	T	West Stewartstown	T
Center Harbor	U	Epping	T	Keene	U	Newington	U	Somersworth	U	West Swansey	U
Center Ossipee	T	Epsom	T	Kellyville	U	Newmarket	U	South Acworth	U	Westmoreland	U
Center Sandwich	U	Errol	T	Kensington	T	Newport	U	South Charlestown	U	Whitefield	U
Center Strafford	T	Etna	U	Kingston	U	Newton	T	South Chatham	U	Wilmot	U
Center Tuftonboro	U	Exeter	U	Laconia	U	Newton Junction	T	South Deerfield	U	Wilmot Flat	U
Charlestown	U	Farmington	U	Lakeport	U	North Conway	T	South Effingham	T	Wilton	U
Chatham	U	Fitzwilliam	U	Lancaster	U	North Hampton	T	South Hampton	U	Winchester	U
Chester	T	Francestown	U	Landaff	U	North Haverhill	U	South Kingston	U	Windham	T
Chesterfield	U	Franconia	U	Langdon	U	North Salem	T	South Sutton	U	Windsor	T
Chichester	U	Franklin	U	Lebanon	U	North Sandwich	U	South Tamworth	U	Winnisquam	T
Chocorua	U	Freedom	T	Lee	T	North Stratford	T	Spofford	U	Wolfeboro	U
Claremont	U	Fremont	T	Lempster	T	North Sutton	U	Springfield	T	Wolfeboro Falls	U
Clarksville	T	Georges Mills	T	Lincoln	T	North Swanzey	U	Stark	T	Wonalancet	U
Clinton	U	Gilford	T	Lisbon	U	North Walpole	U	Stewartstown	T	Woodstock	T
Colebrook	U	Gilman Ironworks	T	Litchfield	T	North Woodstock	T	Stinson Lake	U	Woodsville	U

NH Department of Health & Human Services, Division of Public Health Services

1-800-897-LEAD